STIC Fast & Focus Search for 10815253

Patents - fulltext (Note: no relevant references found in this set of databases.)

Set Items Description

S1 2125028 S QUERY OR QUERIES OR QUERYING OR SQL OR SEARCH?? OR SEARCHING

S2 1137619 S KEYWORD? ? OR KEY()WORD? ? OR TERM? ? OR WORD OR WORDS

S3 102764 S (S1 OR S2) (10N) (RANK?? OR RANKING OR GRADE? ? OR GRADING OR SCORE? ? OR SCORING OR RATE? ? OR RATED OR RATING? ? OR WEIGHT??? OR SCALE? ? OR SCALING)

S4 81518 S NORMALIZE? ? OR NORMALIZING OR NORMALIZATION? ?

S5 2186 S S4 (5N) (SORT OR SORTS OR SORTED OR SORTING OR ORDER OR ORDERED OR ORDERING)

S6 923 S PARTIAL()(SUM OR SUMS)

S7 1532562 S THRESHOLD? ? OR BOUNDARY OR BOUNDARIES OR LIMIT OR LIMITS OR LIMITATION? ?

S8 0 S S6 (10N) S5

S9 3390 S S4 (10N) (SORT OR SORTS OR SORTED OR SORTING OR ORDER OR ORDERED OR ORDERING)

S10 0 S S6 (10N) S9

; show files

[File 348] **EUROPEAN PATENTS** 1978-2007/ 200708
(c) 2007 European Patent Office. All rights reserved.
**File 348: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

[File 349] **PCT FULLTEXT** 1979-2007/UB=20070222UT=20070215
(c) 2007 WIPO/Thomson. All rights reserved.
**File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.*

[File 350] **Derwent WPIX** 1963-2006/UD=200712
(c) 2007 The Thomson Corporation. All rights reserved.
**File 350: DWPI has been enhanced to extend content and functionality of the database. For more info, visit http://www.dialog.com/dwpi/.*

Patents - bib/abstracts (Note: no relevant references found in this set of databases.)

Set Items Description

S1 6743 S NORMALIZE? ? OR NORMALIZING OR NORMALIZATION? ?

S2 131 S S1 (10N) (SORT OR SORTS OR SORTED OR SORTING OR ORDER OR ORDERED OR ORDERING)

S3 101 S PARTIAL()(SUM OR SUMS)

S4 0 S S2 AND S3

; show files

[File 347] **JAPIO** Dec 1976-2006/Oct(Updated 070201)
(c) 2007 JPO & JAPIO. All rights reserved.

NPL - bib/abstracts

set Items Description

S1 267817 S NORMALIZE? ? OR NORMALIZING OR NORMALIZATION? ?

S2 6287 S S1 (10N) (SORT OR SORTS OR SORTED OR SORTING OR ORDER OR ORDERED OR ORDERING)

S3 9693 S PARTIAL()(SUM OR SUMS)

S4 9 S S3 AND S2

S5 8 RD (unique items)

; show files

[File 8] **Ei Compendex(R)** 1884-2007/Feb W3

[File 35] **Dissertation Abs Online** 1861-2007/Feb

[File 65] **Inside Conferences** 1993-2007/Feb 26

[File 2] **INSPEC** 1898-2007/Feb W3

[File 94] **JICST-EPlus** 1985-2007/Mar W1

**File 94: UD200609W2 is the last update for 2006. UD200701W1 is the first update for 2007. The file is complete and up to date.*

[File 111] **TGG Natl.Newspaper Index(SM)** 1979-2007/Feb 21

[File 6] **NTIS** 1964-2007/Feb W3

[File 144] **Pascal** 1973-2007/Feb W3

[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec

[File 34] **SciSearch(R) Cited Ref Sci** 1990-2007/Feb W3

[File 62] **SPIN(R)** 1975-2007/Feb W2

[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2007/Jan

[File 95] **TEME-Technology & Management** 1989-2007/Feb W3

[File 56] **Computer and Information Systems Abstracts** 1966-2007/Feb

[File 57] **Electronics & Communications Abstracts** 1966-2007/Feb

5/5/2 (Item 1 from file: 34)
Fulltext available through: USPTO Full Text Retrieval Options ScienceDirect
SciSearch(R) Cited Ref Sci

13313320 **Genuine Article#:** 868LV **Number of References:** 31
Stable limits of sums of bounded functions of long-memory moving averages with finite variance

Author: Surgailis D (REPRINT)
Corporate Source: Vilnius Inst Math & Informat,Akademijos 4/LT-2600 Vilnius//Lithuania/ (REPRINT); Vilnius Inst Math & Informat,LT-2600 Vilnius//Lithuania/ (sdonatas@ktl.mii.lt)
Journal: BERNOULLI , 2004 , V 10 , N2 (APR) , P 327-355
ISSN: 1350-7265 **Publication date:** 20040400
Publisher: INT STATISTICAL INST , 428 PRINSES BEATRIXLAAN, 2270 AZ VOORBURG, NETHERLANDS
Language: English **Document Type:** ARTICLE
Geographic Location: Lithuania
Journal Subject Category: STATISTICS & PROBABILITY
Abstract: We discuss limit distributions of **partial sums** of bounded functions h of a long-memory moving-average process X-t=Sigma(j=1)(infinity)b(j)xi(t-j) with coefficients b(j) decaying as j(-beta), 1/2 < P < 1, and independent and identically distributed innovations xi(s) whose probability tails decay as x(-a), 2 < a < 4. The case of h having Appell rank k(*) = 2 or 3 is discussed in detail. We show that in this case and in the parameter region alphabeta < 2, the **partial sums** process, normalized by N-1/alphabeta, weakly converges to an alphabeta-stable Levy process, provided that the **normalization** dominates the corresponding k(*)th-**order** Hermite process **normalization**, or that 1/alphabeta >1-(2beta-1)k(*)/2. A complete characterization of limit distributions of the **partial sums** process remains open.
Descriptors--Author Keywords: Appell rank ; fractional derivative ; Hermite process ; long memory ; moving-average process ; **partial sums** process ; stable Levy process
Identifiers-- KeyWord Plus(R): FRACTIONAL BROWNIAN-MOTION; EMPIRICAL PROCESSES; ASYMPTOTIC-EXPANSION; INFINITE VARIANCE; GAUSSIAN FIELDS; THEOREMS; CONVERGENCE; ESTIMATORS; SEQUENCES; ERRORS
Cited References:
AVRAM F, 1987, V15, P767, ANN PROBAB
BREUER P, 1983, V13, P425, J MULTIVARIATE ANAL
BROCKWELL PJ, 1991, TIME SERIES THEORY M
DAVIDSON J, 2002, GENERATING SCHEMES L
DEHLING H, 1989, V17, P1767, ANN STAT
DOBRUSHIN RL, 1979, V50, P27, Z WAHRSCH VERW GEBIE
GIRAITIS L, 1999, V80, P81, J STAT PLAN INFER
GIRAITIS L, 1996, V29, P317, STAT PROBABIL LETT
GIRAITIS L, 1985, V25, P43, LITHUANIAN MATH J
HO HC, 1996, V24, P992, ANN STAT
HO HC, 1997, V25, P1636, ANN PROBAB
HOSKING JRM, 1981, V68, P165, BIOMETRIKA
IBRAGIMOV IA, 1971, INDEPENDENT STATIONA

KAZMIN JA, 1969, V5, P509, MAT ZAMETKI
KOUL HL, 2002, EMPIRICAL PROCESS TE
KOUL HL, 2001, V91, P309, STOCH PROC APPL
KOUL HL, 1997, V25, P818, ANN STAT
LEIPUS R, 2003, V35, P1, ADV APPL PROBAB
LEIPUS R, 2003, RENEWAL REGIME SWITC
MIKOSCH T, 2002, V12, P23, ANN APPL PROBAB
PETROV VV, 1975, SUMS INDEPENDENT RAN
PIPIRAS V, 2003, V10, P121, BERNOULLI
SURGAILIS D, 2002, V100, P255, STOCH PROC APPL
SURGAILIS D, 1982, V22, P327, LITHUANIAN MATH J
SURGAILIS D, 2000, V28, P478, ANN PROBAB
TAQQU MS, 1979, V50, P53, Z WAHRSCHEINLICHKEIT
TAQQU MS, 1975, V31, P287, Z WAHRSCHEINLICHKEIT
TAQQU MS, 1986, DEPENDENCE PROBABILI
VAICIULIS M, 2003, V43, P80, LITHUANIAN MATH J
VONBAHR B, 1965, V36, P299, ANN MATH STAT
WU WB, 2003, V9, P809, BERNOULLI

5/5/3 (Item 2 from file: 34)

SciSearch(R) Cited Ref Sci

05403077 **Genuine Article#:** VW014 **Number of References:** 14
SERIES REPRESENTATION FOR SEMISTABLE LAWS AND THEIR DOMAINS OF SEMISTABLE ATTRACTION

Author: MEERSCHAERT MM; SCHEFFLER HP
Corporate Source: UNIV NEVADA,DEPT MATH/RENO//NV/89557
Journal: JOURNAL OF THEORETICAL PROBABILITY , 1996 , V 9 , N4 (OCT) , P 931-959
ISSN: 0894-9840
Language: ENGLISH **Document Type:** ARTICLE
Geographic Location: USA
Subfile: SciSearch; CC PHYS--Current Contents, Physical, Chemical & Earth Sciences
Journal Subject Category: STATISTICS & PROBABILITY
Abstract: If the centered and normalized **partial sums** of an i.i.d. sequence of random variables converge in distribution to a nondegenerate limit then we say that this sequence belongs to the domain of attraction of the necessarily stable limit. If we consider only the **partial sums** which terminate at k(n) where k(n+1) similar to ck(n) then the sequence belongs to the domain of semistable attraction of the necessarily semistable limit. In this paper, we consider the case where the limiting distribution is nonnormal. We obtain a series representation for the **partial sums** which converges almost surely. This representation is based on the order statistics, and utilizes the Poisson process. Almost sure convergence is a useful technical device, as we illustrate with a number of applications.
Descriptors--Author Keywords: LEPAGE SERIES REPRESENTATION ; SEMISTABLE LAWS ; DOMAINS OF SEMISTABLE ATTRACTION ; REGULAR VARIATION ; **ORDER** STATISTICS ; POISSON PROCESS ; TRIMMED SUMS ; SELF-**NORMALIZED** SUMS
Cited References:

FELLER W, 1971, V2, INTRO PROBABILITY TH
HAHN MG, 1992, V20, P455, ANN PROBAB
KRUGLOV VM, 1972, V17, P685, THEORY PROBAB APPL
LEPAGE R, 1981, V4, P624, ANN PROBAB
LEPAGE R, 1994, STRONG CONDITIONAL I
MANDREKAR V, 1994, V310, P197, PITMAN RES NOTES MAT
MEERSCHAERT M, 1994, CONVERGENCE SEMITYPE
MEERSCHAERT M, 1994, GEN DOMAINS SEMISTAB
PILLAI RN, 1971, V42, P780, ANN MATH STAT
RESNICK S, 1992, ADVENTURES STOCHASTI

SCHEFFLER HP, 1994, V51, P432, J MULTIVARIATE ANAL
SCHEFFLER HP, 1996, THESIS U DORTMUND
SENETA E, 1976, V508, LECT NOTES MATH
SHIMIZU R, 1970, V22, P245, ANN I STAT MATH

5/5/5 (Item 2 from file: 239)
Fulltext available through: USPTO Full Text Retrieval Options ScienceDirect
Mathsci

03672029 **MR** 2005e#42087

Weak type inequalities for the Walsh and bounded Ciesielski systems.

Weisz, Ferenc (Department of Numerical Mathematics, Eotvos Lorand University (ELTE), 1088 Budapest, Hungary)
Corporate Source Codes: H-EOTVO-NM
Anal. Math.
Analysis Mathematica , 2004 , 30 , no. 2, 147--160. **ISSN:** 0133-3852 **CODEN:** ANMADK
Language: English **Summary Language:** English
Document Type: Journal
Journal Announcement: 200416
Subfile: MR (Mathematical Reviews) AMS
Abstract Length: LONG (67 lines)
Let $w\sb n\ (n=0, 1, \dots)$ and $h\sb n\ (n=1, 2, \dots)$ be the Walsh-Paley and the Haar system, resp., denote by D the differentiation operator and define the integration operators $Gf(t)\coloneq \int\sb 0\sp tf,$ $Hf(t)\coloneq \int\sb t\sp 1f$. Let $m\geq -1$ be a fixed integer. Apply the Schmidt orthogonalization to the functions $1, t, \dots , t\sp {m+1}, G\sp {m+1}h\sb n(t)$ $(n\geq 2)$. Then we get a spline system $f\sb n\sp m$ $(n\geq-m),$ the so-called Ciesielski system of order m. If $0\leq k\leq m+1$ and $n\geq k-m,$ then let $f\sb n\sp {m,k}\coloneq D\sp kf\sb n\sp m,$ $g\sb n\sp {m,k}\coloneq H\sp kf\sb n\sp m$ (splines of **order** $(m,k))$. We **normalize** these functions as follows: $h\sb n\sp {m,k}\coloneq f\sb n\sp {m,k}\Vert f\sb n\sp {m,k}\Vert \sb 2\sp {-1}$ for $0\leq k\leq m+1$ and $h\sb n\sp {m,k}\coloneq g\sb n\sp {m,-k}\Vert f\sb n\sp {m,-k}\Vert \sb 2$ for $0\leq -k\leq m+1$. If $m=-1$ and $k=0,$ then we get the Haar system and in the special case $m=k=0$ the system in question is the Franklin system. The bounded Ciesielski system $c\sb n\sp {m,k}$ $(n\geq \vert k\vert -m)$ is obtained from $h\sb n\sp {m,k}$'s in the same way as the Walsh system arises from the Haar system, namely $c\sb n\sp {m,k}\coloneq h\sb n\sp {m,k}$ $(n=\vert k\vert -m, \dots ,1)$ and $c\sb {2\sp {\nu}+i}\sp {m,k}\coloneq \sum\sb {j=1}\sp {2\sp {\nu}}A\sb {ij}\sp {\nu}h\sb {2\sp {\nu}+j}\sp {m,k}$ $(1\leq i\leq 2\sp {\nu},$ $m\geq -1,$ $\vert k\vert \leq m+1).$ Here the Hadamard coefficients $A\sb {ij}\sp {\nu}$ are defined as $A\sb {ij}\sp {\nu}\coloneq 2\sp {-\nu/2}w\sb {i-1}((2j-1)/2\sp {\nu+1}).$ Then $c\sb n\sp {-1,0}=w\sb {n-1}$ $(n\geq 1).$ For $m\geq-1, \vert k\vert \leq m+1$ the **partial sums**, the Fejer means, and a maximal operator are defined by $C\sb n\sp {m,k}f\coloneq \sum\sb {i=\vert k\vert -m}\sp n\langle f,c\sb i\sp {m,k}\rangle c\sb i\sp {m,-k}$, $\sigma\sb n\sp {m,k}f\coloneq n\sp {-1}\sum\sb {j=1}\sp nC\sb j\sp {m,k},$ $\sigma\sb *\sp {m,k}f\coloneq \sup\sb n\vert \sigma\sb n\sp {m,k}f\vert $, resp., where $\langle u,v\rangle$ denotes the usual scalar product $\int\sb 0\sp 1uv.$ The Lorentz norm $\Vert f\Vert \sb {p,\infty}$ $(0<p<\infty)$ of a measurable function f defined on $[0,1]$ is $\Vert f\Vert \sb {p,\infty}\coloneq \sup\sb {\rho}\rho({\rm meas}\{\vert f\vert >\rho\})\sp {1/p}$. Furthermore, let $P\sb t\sp {m,k}(x)\coloneq (ct)/(t+\vert x\vert \sp 2)$ $(k\leq m,$ with a suitable constant $c)$ and $P\sb t\sp {m,k}(x)\coloneq \chi\sb {[0,2\sp {-n})}(x)$ $(k=m+1, n\leq t<n+1, x\in {\bf R}).$ For a tempered distribution $f,$ the nontangential maximal function $f\sb *\sp {m,k}$ is defined by $f\sb *\sp {m,k}\coloneq \sup\sb {t>0}\vert f\star P\sb t\sp {m,k}\vert ,$ where $\star$ denotes the usual convolution. Now, let the Hardy space $H\sb p\coloneq H\sb p\sp {m,k}([0,1])$ $(0<p<\infty,$ $m\geq-1, \vert k\vert \leq m+1)$ be the set of all tempered distributions f such that supp$\,f\subset [0,1]$ and $\Vert f\Vert \sb {H\sb p}\coloneq \Vert f\sb *\sp {m,k}\Vert \sb p<\infty.$ Then the main result of the work under review is Theorem 2: if $m\geq-1$ and $\vert k\vert \leq m+1,$ then $\Vert \sigma\sb *\sp {m,k}f\Vert \sb {1/2,\infty}\leq C\Vert f\Vert \sb {H\sb {1/2}}$ $(f\in H\sb {1/2}).$ From this we get by interpolation that $\Vert \sigma\sb *\sp {m,k}f\Vert \sb p\leq$ $C\sb p\Vert f\Vert \sb {H\sb p}$ $(m\geq-1, \vert k\vert \leq m+1,$ $1/2<p<\infty)$. In particular, $\sigma\sb *\sp {m,k}$ is of weak type (1,1) and $f\in L\sb 1$ implies $\sigma\sb n\sp {m,k}f\to f$ a.e. as $n\to\infty.$ These corollaries are extensions of well-known results proved earlier by N. J. Fine, F. Schipp, N. J. Fujii and the author (see the references of the work). Furthermore, P. Simon [Monatsh. Math. 131 (2000), no. 4, 321--334; \refmr MR1813992 (2001m:42052)\endrefmr] gave a counterexample in the case of the Walsh-Fourier series, i.e. that the operator $\sigma\sb *\sp {-1,0}$ is not bounded from $H\sb p$ to $L\sb p$ for $0<p<1/2$.
Reviewer: Simon, P. (H-EOTVO-NA)

Review Type: Signed review
Descriptors: * 42C10 -Fourier analysis-Nontrigonometric Fourier analysis-Fourier series in special orthogonal functions (Legendre polynomials, Walsh functions, etc.) ; 42B20 -Fourier analysis-Fourier analysis in several variables (For automorphic theory, see mainly 11F30)-Singular integrals (Calder\'on-Zygmund, etc.)

5/5/6 (Item 3 from file: 239)
Fulltext available through: USPTO Full Text Retrieval Options ScienceDirect
Mathsci

03455365 **MR** 2003k#41040
On the best approximation by Chebyshev system of Jacobi polynomials.

Yadav, Sarjoo Prasad (Department of Mathematics, Government Maharaja College, Chhatarpur 471001, India)
Corporate Source Codes: 6-MAHA
J. Ramanujan Math. Soc.
Journal of the Ramanujan Mathematical Society , 2002 , 17 , no. 4, 261--266. **ISSN:** 0970-1249
Language: English **Summary Language:** English
Document Type: Journal
Journal Announcement: 200307
Subfile: MR (Mathematical Reviews) AMS
Abstract Length: SHORT (10 lines)
The author considers the Chebyshev system formed by the **normalized** Jacobi polynomials on $\left[-1,1\right] $, and studies the **order** of approximation of a function $f\in C\left[-1,1\right] $ (respectively $f\in L\sb {p}$, $1\leq p<\infty $) by the **partial sums** $S\sb {n}$ of the Fourier-Jacobi series associated with f. One obtains an analogue of the Lebesgue theorem for trigonometric Fourier series. Jackson-type theorems, for the evaluation of best uniform and $L\sb {p}$-approximation by linear combinations of normalized Jacobi polynomials, are also obtained.
Reviewer: Mustata, Costica (Cluj-Napoca)
Review Type: Signed review
Descriptors: * 41A50 -Approximations and expansions (For all approximation theory in the complex domain, see~30E05 and 30E10; for all trigonometric approximation and interpolation, see~42A10 and 42A15; for numerical approximation, see~65Dxx)-Best approximation, Chebyshev systems ; 41A10 -Approximations and expansions (For all approximation theory in the complex domain, see~30E05 and 30E10; for all trigonometric approximation and interpolation, see~42A10 and 42A15; for numerical approximation, see~65Dxx)-Approximation by polynomials (For approximation by trigonometric polynomials, see 42A10)

5/5/7 (Item 4 from file: 239)
Fulltext available through: USPTO Full Text Retrieval Options ScienceDirect
Mathsci

02795765 **MR** 98f#60038
Some analogs of the Berry-Esseen bound for first-order Chebyshev-Edgeworth expansions.

Dobric, V. (Department of Mathematics, Lehigh University, Bethlehem, Pennsylvania, 18015)
Ghosh, B. K. (Department of Mathematics, Lehigh University, Bethlehem, Pennsylvania, 18015)
(Ghosh, Bhaskar K.)
Corporate Source Codes: 1-LEHI; 1-LEHI
Statist. Decisions
Statistics & Decisions. International Mathematical Journal for Stochastic Methods and Models , 1996 , 14 , no. 4, 383--404.
ISSN: 0721-2631
Language: English **Summary Language:** English
Document Type: Journal
Journal Announcement: 9709

Subfile: MR (Mathematical Reviews) AMS
Abstract Length: SHORT (6 lines)
This paper investigates the uniform Berry-Esseen bound for the first- **order** Edgeworth expansion of the distribution function of **normalized partial sums**. An explicit form of the upper bound is given. This work makes the first-order Edgeworth expansion usable in practice. Some examples to compute the bounds based on the main results of the paper are given.
Reviewer: Bai, Zhi-Dong (RC-SYS-AM)
Review Type: Signed review
Descriptors: * 60F05 -Probability theory and stochastic processes (For additional applications, see 11Kxx, 62-XX, 90-XX, 92-XX, 93-XX, 94-XX. For numerical results, see 65U05)-Limit theorems (See also 28Dxx, 60B12)-Central limit and other weak theorems ; 62E20 -Statistics (For numerical methods, see 65U05)-Distribution theory (See also 60Exx)-Asymptotic distribution theory

NPL - fulltext (Note: no relevant references found in this set of databases.)

Set Items Description

S1 102768 S NORMALIZE? ? OR NORMALIZING OR NORMALIZATION? ?

S2 1817 S S1 (10N) (SORT OR SORTS OR SORTED OR SORTING OR ORDER OR ORDERED OR ORDERING)

S3 274 S PARTIAL()(SUM OR SUMS)

S4 0 S S2 (30N) S3

; show files

[File 369] **New Scientist** 1994-2007/Nov W1
(c) 2007 Reed Business Information Ltd. All rights reserved.

[File 160] **Gale Group PROMT(R)** 1972-1989
(c) 1999 The Gale Group. All rights reserved.

[File 635] **Business Dateline(R)** 1985-2007/Feb 27
(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 15] **ABI/Inform(R)** 1971-2007/Feb 27
(c) 2007 ProQuest Info&Learning. All rights reserved.

[File 16] **Gale Group PROMT(R)** 1990-2007/Feb 26
(c) 2007 The Gale Group. All rights reserved.

[File 9] **Business & Industry(R)** Jul/1994-2007/Feb 26
(c) 2007 The Gale Group. All rights reserved.

[File 810] **Business Wire** 1986-1999/Feb 28
(c) 1999 Business Wire . All rights reserved.

[File 610] **Business Wire** 1999-2007/Feb 27

(c) 2007 Business Wire. All rights reserved.
**File 610: File 610 now contains data from 3/99 forward. Archive data (1986-2/99) is available in File 810.*

[File 647] **CMP Computer Fulltext** 1988-2007/May W1
(c) 2007 CMP Media, LLC. All rights reserved.

[File 98] **General Sci Abs** 1984-2007/Feb
(c) 2007 The HW Wilson Co. All rights reserved.

[File 148] **Gale Group Trade & Industry DB** 1976-2007/Feb 16
(c)2007 The Gale Group. All rights reserved.

[File 634] **San Jose Mercury** Jun 1985-2007/Feb 25
(c) 2007 San Jose Mercury News. All rights reserved.

[File 275] **Gale Group Computer DB(TM)** 1983-2007/Feb 23
(c) 2007 The Gale Group. All rights reserved.

[File 47] **Gale Group Magazine DB(TM)** 1959-2007/Feb 16
(c) 2007 The Gale group. All rights reserved.

[File 75] **TGG Management Contents(R)** 86-2007/Feb W3
(c) 2007 The Gale Group. All rights reserved.

[File 636] **Gale Group Newsletter DB(TM)** 1987-2007/Feb 26
(c) 2007 The Gale Group. All rights reserved.

[File 624] **McGraw-Hill Publications** 1985-2007/Feb 27
(c) 2007 McGraw-Hill Co. Inc. All rights reserved.
**File 624: Homeland Security & Defense and 9 Platt energy journals added Please see HELP NEWS624 for more*

[File 484] **Periodical Abs Plustext** 1986-2007/Feb W3
(c) 2007 ProQuest. All rights reserved.

[File 613] **PR Newswire** 1999-2007/Feb 27
(c) 2007 PR Newswire Association Inc. All rights reserved.
**File 613: File 613 now contains data from 5/99 forward. Archive data (1987-4/99) is available in File 813.*

[File 813] **PR Newswire** 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc. All rights reserved.

[File 141] **Readers Guide** 1983-2006/Dec
(c) 2007 The HW Wilson Co. All rights reserved.

[File 370] **Science** 1996-1999/Jul W3
(c) 1999 AAAS. All rights reserved.
**File 370: This file is closed (no updates). Use File 47 for more current information.*

[File 696] **DIALOG Telecom. Newsletters** 1995-2007/Feb 23
(c) 2007 Dialog. All rights reserved.

[File 553] **Wilson Bus. Abs.** 1982-2007/Feb
(c) 2007 The HW Wilson Co. All rights reserved.

[File 621] **Gale Group New Prod.Annou.(R)** 1985-2007/Feb 16
(c) 2007 The Gale Group. All rights reserved.

[File 674] **Computer News Fulltext** 1989-2006/Sep W1
(c) 2006 IDG Communications. All rights reserved.
**File 674: File 674 is closed (no longer updates).*

NPL - bib/abstract - with definition of "partial sum"

Set	Items	Description
S1	267817	S NORMALIZE? ? OR NORMALIZING OR NORMALIZATION? ?
S2	6287	S S1 (10N) (SORT OR SORTS OR SORTED OR SORTING OR ORDER OR ORDERED OR ORDERING)
S3	89853	S (VALUE? ? OR NUMBER? ? OR WEIGHT? ?) (5W) (GREATER OR MORE OR HIGHER OR LARGER OR BIGGER)()THAN

S4 1131 S (SUM OR SUMS OR SUMMED OR SUMMING OR TOTAL OR TOTALED OR TOTALING) (5W) S3

S5 1 S S2 AND S4

; show files

[File 8] **Ei Compendex(R)** 1884-2007/Feb W3

[File 35] **Dissertation Abs Online** 1861-2007/Feb

[File 65] **Inside Conferences** 1993-2007/Feb 27

[File 2] **INSPEC** 1898-2007/Feb W3

[File 94] **JICST-EPlus** 1985-2007/Mar W1

**File 94: UD200609W2 is the last update for 2006. UD200701W1 is the first update for 2007. The file is complete and up to date.*

[File 111] **TGG Natl.Newspaper Index(SM)** 1979-2007/Feb 21

[File 6] **NTIS** 1964-2007/Feb W4

[File 144] **Pascal** 1973-2007/Feb W3

[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec

[File 34] **SciSearch(R) Cited Ref Sci** 1990-2007/Feb W3

[File 62] **SPIN(R)** 1975-2007/Feb W2

[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2007/Jan

[File 95] **TEME-Technology & Management** 1989-2007/Feb W3

[File 56] **Computer and Information Systems Abstracts** 1966-2007/Feb

[File 57] **Electronics & Communications Abstracts** 1966-2007/Feb

[File 60] **ANTE: Abstracts in New Tech & Engineer** 1966-2007/Feb

[File 266] **FEDRIP** 2007/Jan

[File 438] **Library Lit. & Info. Science** 1984-2007/Jan

[File 239] **Mathsci** 1940-2007/Mar

5/5/1 (Item 1 from file: 239)
Mathsci

01631479 **MR** 81h#68013
Equivalent key problem of the relational database model.

Mathematical studies of information processing (Proc. Internat. Conf., Kyoto, 1978)
Kambayashi, Yahiko
1979 ,
Springer, Berlin-New York, ; pp. 165--192, ,
Series: Lecture Notes in Comput. Sci., 75,
Language: English
Document Type: Proceedings Paper
Journal Announcement: 1226
Subfile: MR (Mathematical Reviews) AMS
Abstract Length: MEDIUM (17 lines)
Author's summary: "In the relational database model, it is important to obtain a set of relations which are **normalized**. In order to reduce the **total number** of **normalized** relations, relations with **more than** one key must be considered. Keys in the same relation are called equivalent. Bernstein has developed an algorithm to obtain a minimum relation set using the key equivalence concept. The major results of this paper are that (a) problems of the Bernstein algorithm are pointed out and algorithms to handle these problems are shown and (b) for several normalization classes, algorithms for minimum schema design are given considering the key equivalence. The following approaches are used in this paper: (1) a new definition of key equivalence, (2) minimization techniques of logic functions (prime implicant generation, a generalized minimum cover problem), (3) the idea used in the minimization of incompletely specified sequential machines." (For the entire collection see MR 81f:68006.)
Reviewer: Author's summary
Review Type: Abstract
Proceedings Reference: 81f#68006 ; 583 424
Descriptors: * 68B15 -Computer science (For papers involving machine computations and programs in a specific mathematical area, see Section --04 in that area)- Software-Theory of data (filing, etc.)

Patents - fulltext - *with definition of "partial sum"*

Set Items Description

S1 81518 S NORMALIZE? ? OR NORMALIZING OR NORMALIZATION? ?

S2 3390 S S1 (10N) (SORT OR SORTS OR SORTED OR SORTING OR ORDER OR ORDERED OR ORDERING)

S3 923 S PARTIAL()(SUM OR SUMS)

S4 1 S S2 (30N) S3

S5 172523 S (VALUE? ? OR NUMBER? ? OR WEIGHT? ?) (5W) (GREATER OR MORE OR HIGHER OR LARGER OR BIGGER)()THAN

S6 3620 S (SUM OR SUMS OR SUMMED OR SUMMING OR TOTAL OR TOTALED OR TOTALING) (5W)S5

S7 1 S S6 (30N) S2

S8 1 S S7 NOT S4

; show files

4/5K/1 (Item 1 from file: 349)
PCT FULLTEXT

00929693

SYSTEMS AND METHODS FOR A PARTIAL SUM DIGITAL FIR FILTER

SYSTEMES ET PROCEDES POUR FILTRE NUMERIQUE A REPONSE IMPULSIONNELLE FINIE (FIR) AVEC SOMMATION PARTIELLE

Patent Applicant/Patent Assignee:

- **CONEXANT SYSTEMS INC**; 4311 Jamboree Road, Newport Beach, CA 92660-3095 US; US(Residence); US(Nationality)

	Country	Number	Kind	Date
Patent	WO	200263764	A1	20020815
Application	WO	2002IB131		20020116
Priorities	US	2001777622		20010205

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Main International Patent Classes (Version 7):

IPC	Level
H03H-017/02	Main
Publication Language:	English
Filing Language:	English
Fulltext word count:	8251

English Abstract:

A digital FIR filter is provided that inputs a series of data samples x[0]x[n] and generates a partial sum output PS[i] where i<=n. The partial sum output is a weighted version of the difference between a partial sum of the previousi-I data samples, PS[i-I], and the current data sample x[n] added to the current data sample x[n]. The filter includes a plurality of weighting stages. Each weighting stage includes a first adder for subtracting the current data sample x[n] from the previous partial sum PS[i-I], a multiplier that multiplies the difference by a weighting, coefficient, and a second adder that sums the weighted difference with the current data sample. The filter also includes a plurality of delay elements, each of which inputs a partial sum and imposes a unit delay on the partial sum before supplying it to a weighting stage.

French Abstract:

L'invention concerne un filtre numerique a reponse impulsionnelle finie (FIR), qui entre une serie d'echantillons de donnees x[0] x[n] et produit une sortie d'une somme partielle PS[i] dans laquelle i<=n. La sortie de somme partielle est une version ponderee de la difference entre une somme partielle des echantillons de donnees anterieurs i-I, de PS[i-l], et de l'echantillon de donnees actuel x[n] ajoute a l'echantillon de donnees actuel x[n]. Le filtre comprend plusieurs etages de ponderation. Chaque etage de ponderation comprend un premier additionneur pour soustraire l'echantillon de donnees actuelx[n] de la somme partielle precedente PS[i-I]; un multiplicateur pour multiplier la difference par un coefficient de ponderation; et un second additionneur pour additionner la difference ponderee avec l'echantillon de donnees actuel. Le filtre comprend egalement plusieurs elements de retard dont chacun entre une somme partielle et impose un retard unitaire a la somme partielle avant de transmettre cette derniere a un etage de ponderation.

Type	Pub. Date	Kind	Text
Publication	20020815	A1	With international search report.
Publication	20020815	A1	Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
Examination	20030103		Request for preliminary examination prior to end of 19th month from priority date

Detailed Description:

...to full scale so that a meaningful comparison with incoming data samples can be made. In filter 200 of Figure 3, for example, since the **partial sums** PSfO] ... PS[ij have not passed through all gain or multiplier stages, they will not be at full scale. In **order** to **normalize** these partial s=s, a **normalization** factor consisting of the full gain (i.e., the sum of all the coefficients a[O] ... a[n]) divided by the partial gain (i.e ...